BLAUPUNKT AUTORADIO BLAU-04605

D/EU

Modena CD53
7 643 261 310

Muenchen CD53
7 643 263 310

Stockholm CD53
7 643 260 310

Funline 4 / T-Line 3

Essen CD33
7 643 171 310

Madeira CD33
7 643 172 310

Lausanne CD33
7 643 176 310

8 622 403 734 PSS/2 BN-ST 04/03

Schaltbild • Circuit diagram

CLASS 1
LASER PRODUCT

UNSICHTBARE LASERSTRAHLUNG
NICHT DEM STRAHL AUSSETZEN
LASERKLASSE 3B

(D) VORSICHT!

Die Geräte beinhalten eine Laserkomponente! Im Servicefall bitte nachfolgende Hinweise beachten:

- Das Gerät arbeitet mit unsichtbarem Laserstrahl.
- Bei geöffnetem Gerät tritt im Bereich des Plattenfaches Laserstrahlung aus.
- Nicht in den Strahl blicken.
- Unbeteiligte Personen vom Arbeitsplatz fernhalten.
- Der Betrachtungsabstand darf 13 cm nicht unterschreiten.
- Kann dies nicht eingehalten werden, muß eine geeignete Laserschutzbrille getragen werden.

(GB) CAUTION!

The CD units are equipped with a laser component! For servicing make sure to observe the following instructions:

- The unit operates with invisible laser beams.
- When the cover is removed, invisible laser beams are emitted near the disc compartment.
- Avoid direct eye contact with these beams.
- Keep unauthorised persons away from the workbench.
- The viewing distance should not be less than 13 cm.
- If this distance cannot be kept, use suitable laser safety goggles.

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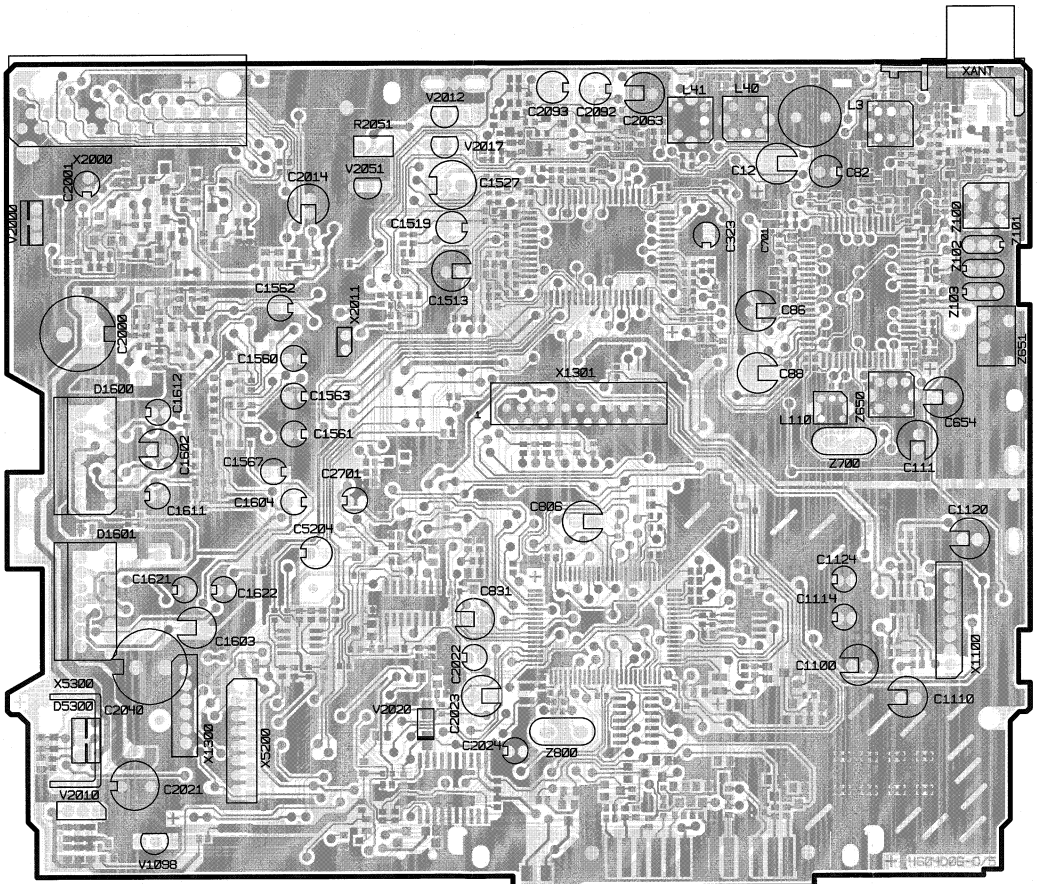
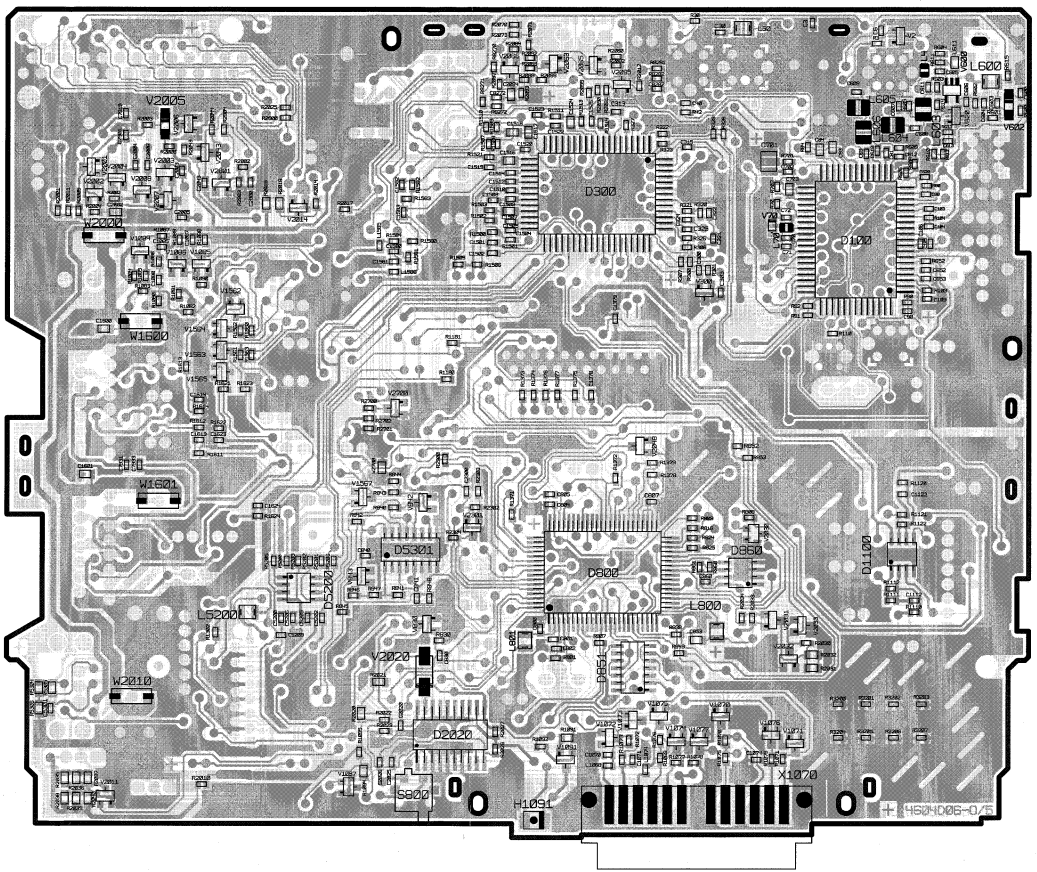
Layout Connector board 3275 D01 24

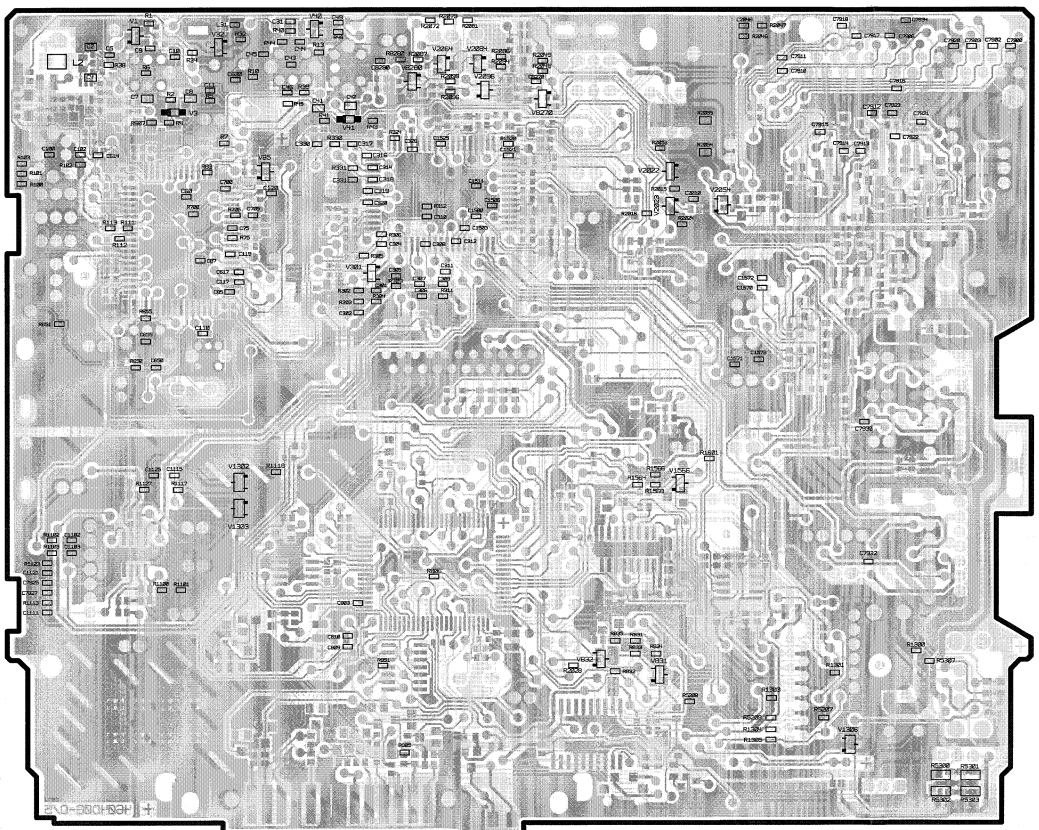
Hauptplatte
Main board
PL 8 638 214 604 D06



Hauptplatte
Main board
PL 8 638 214 604 D06
Chip

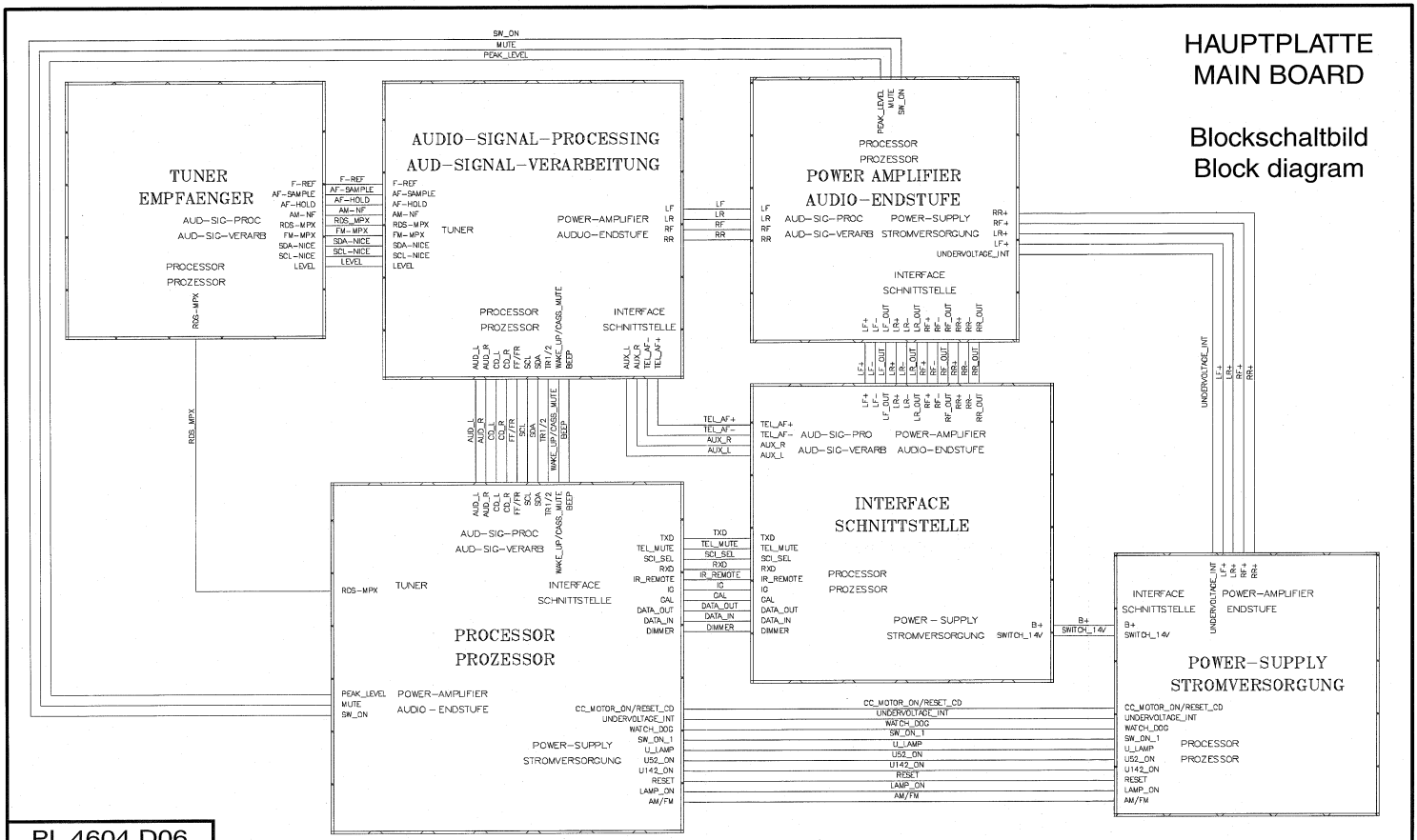


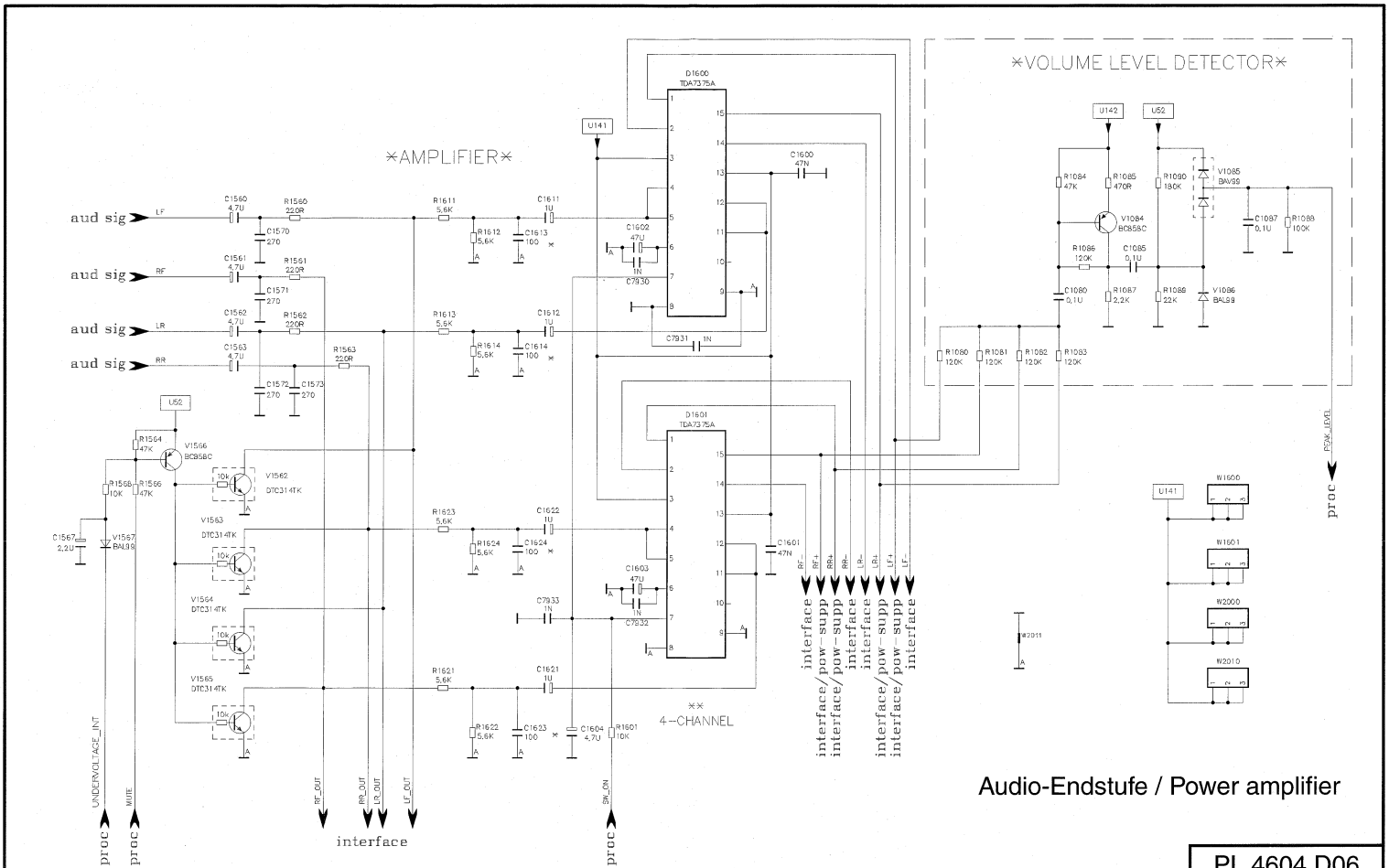
Hauptplatte
Main board
PL 8 638 214 604 D06
Chip

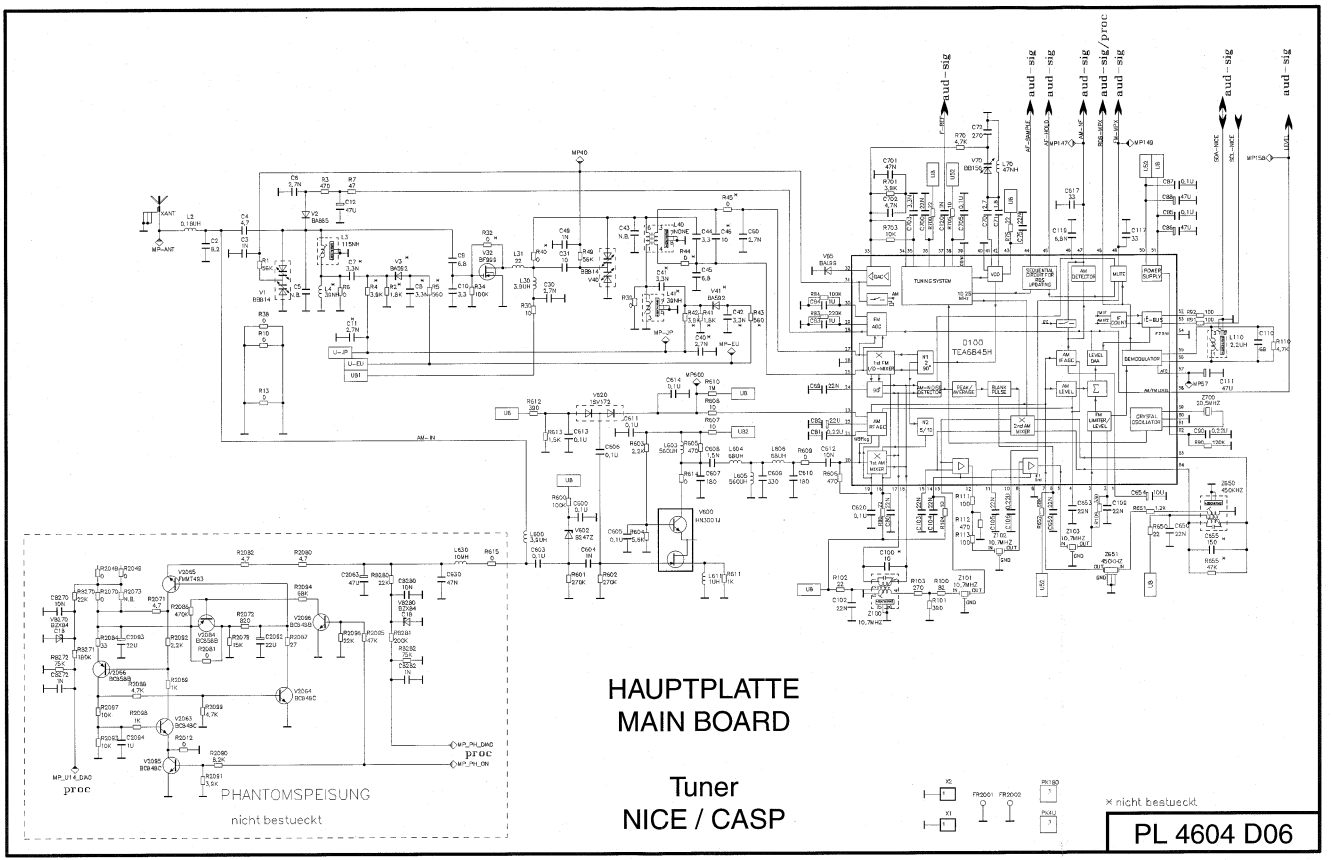


REMARK : * = "Section/Component In Use"

	T - LINE 3		FUNLINE 4
	Lausanne CD33 Madeira CD33	Essen CD33	Modena CD53 Muenchen CD53 Stockholm CD53
AM	X		X
CASSETTE PREAMP			
CASS-MUTE			
TN708 INTERFACE			
CD BUFFER	X	X	X
S800			X
H1091,R1091 & V1091			X
DIMMER			X
D5300	LM317T	LM317T	LM317T
V2010	BD436	BD436	BD436
TEL input			X
R5302/R5303	X	X	X
R1300			
R5304	470R	470R	470R
R5305			
R5306	X	X	X
R5307	X	X	X
R1304	10R	10R	10R
R1305			
R1301/R1302/R1303			
X1300			
R5207/5208/5209	X	X	X
L5200/X5200	X	X	X
C304/R306/R307/R326	X		X
D5301/C840	X	X	X
R840/R841 C2040	2200uF	2200uF	2200uF
R1505/R1506	10K	10K	10K
R2036..... R2040	X	X	X
R2015/R2017/V2022	X		X

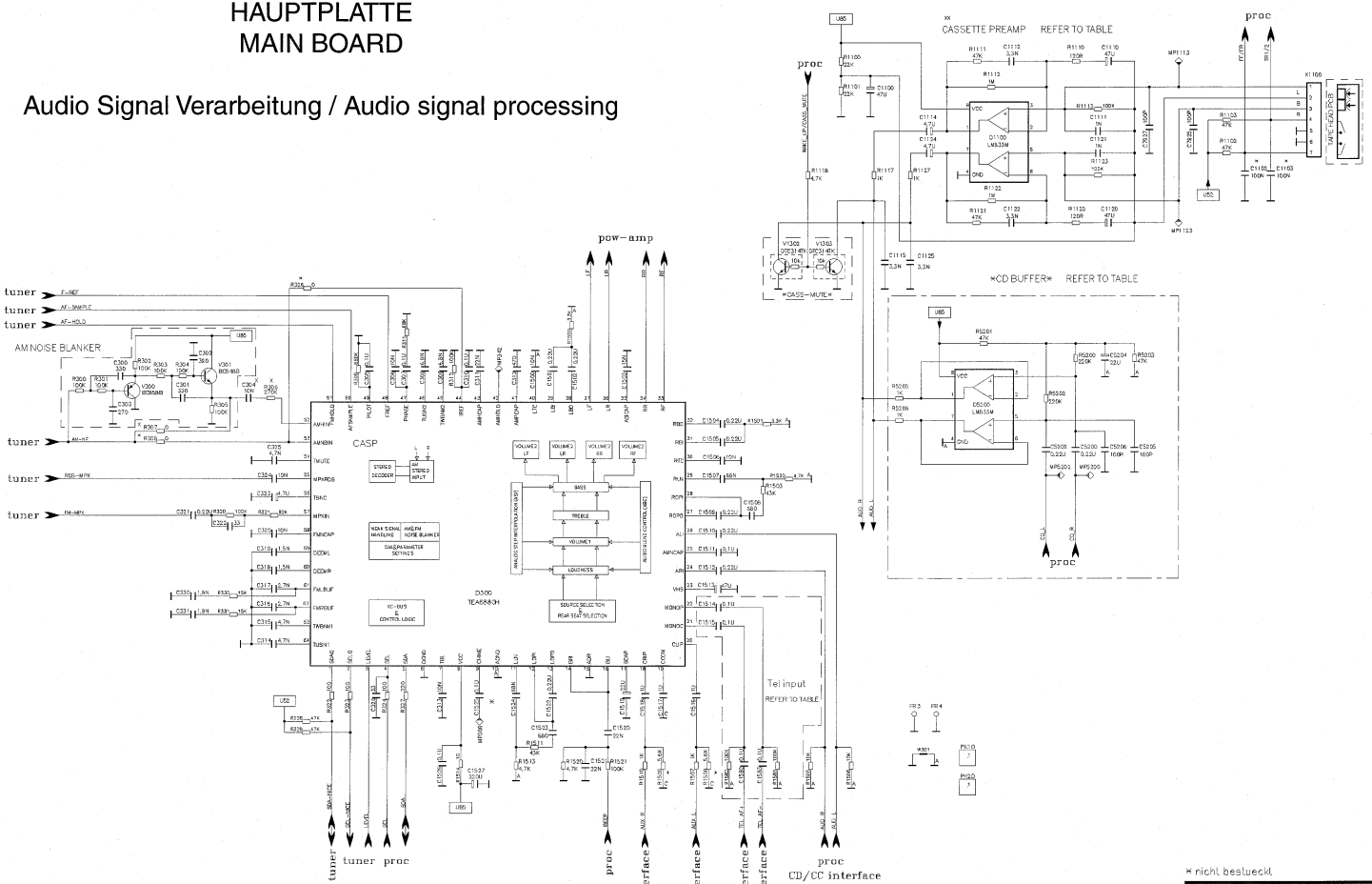

HAUPTPLATTE
MAIN BOARD
Blockschaltbild
Block diagram
TUNER
EMPFAENGER
AUD–SIG–PROC
AUD–SIG–VERARB
PROCESSOR
PROZESSOR
AUDIO–SIGNAL–PROCESSING
AUD–SIGNAL–VERARBEITUNG
TUNER
POWER–AMPLIFIER
AUDUO–ENDSTUFE
PROCESSOR
PROZESSOR
INTERFACE
SCHNITTSTELLE
POWER AMPLIFIER
AUDIO–ENDSTUFE
AUD–SIG–PROC
AUD–SIG–VERARB
POWER–SUPPLY
STROMVERSORGUNG
INTERFACE
SCHNITTSTELLE
PROCESSOR
PROZESSOR
POWER – SUPPLY
STROMVERSORGUNG
INTERFACE
SCHNITTSTELLE
POWER–AMPLIFIER
ENDSTUFE
POWER–SUPPLY
STROMVERSORGUNG
PROCESSOR
PROZESSOR
PL 4604 D06


AMPLIFIER
VOLUME LEVEL DETECTOR
aud sig
LF
RF
LR
RR
D1600
TDA7375A
D1601
TDA7375A
U141
U142
U52
U62
4-CHANNEL
interface
proc
UNDERVOLTAGE_INT
MUTE
RF_OUT
RR_OUT
LR_OUT
LF_OUT
SW_ON
PEAK_LEVEL
Audio-Endstufe / Power amplifier
PL 4604 D06


PHANTOMSPEISUNG
nicht bestueckt
HAUPTPLATTE
MAIN BOARD
Tuner
NICE / CASP
× nicht bestueckt
PL 4604 D06

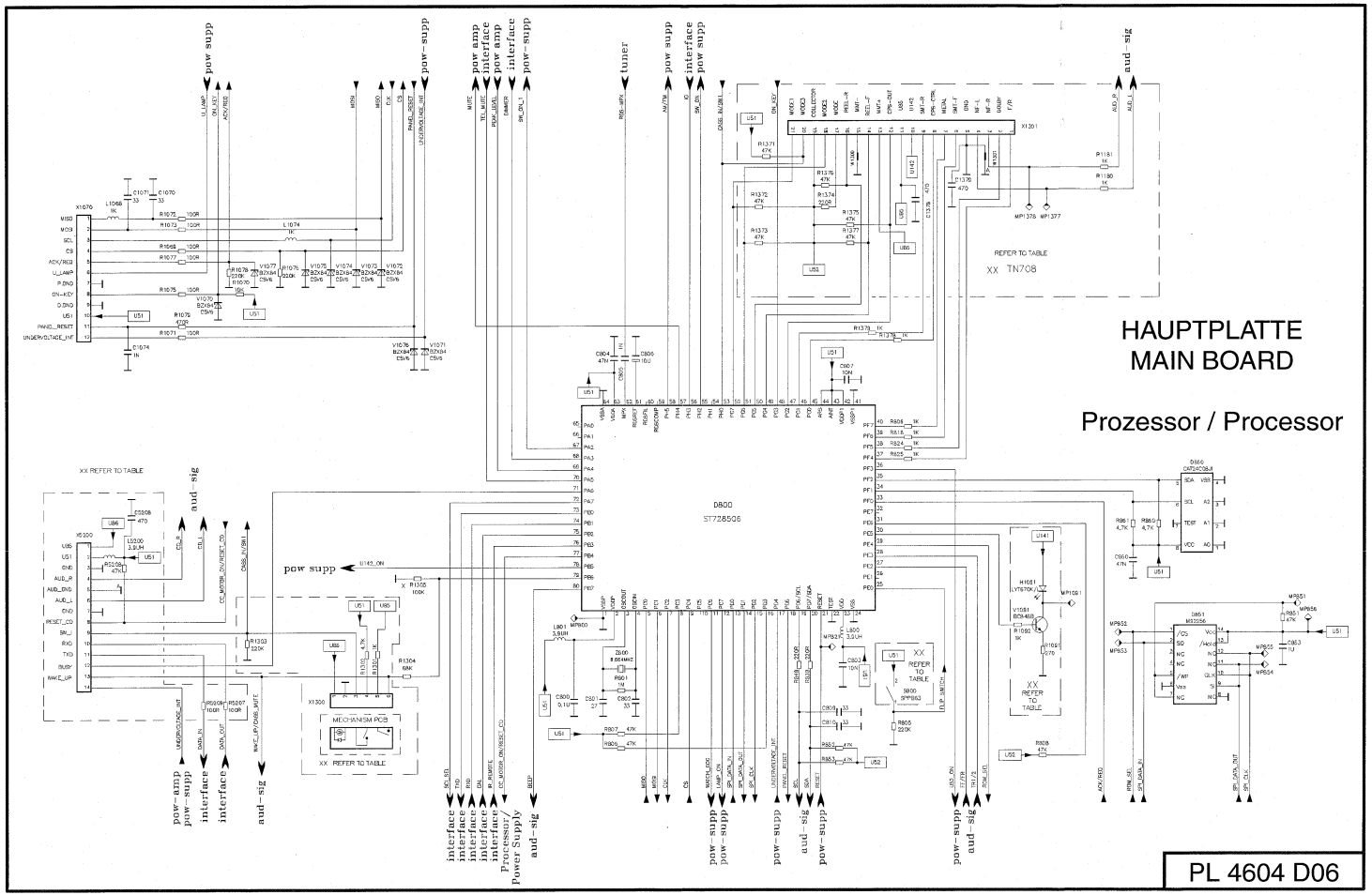
HAUPTPLATTE
MAIN BOARD

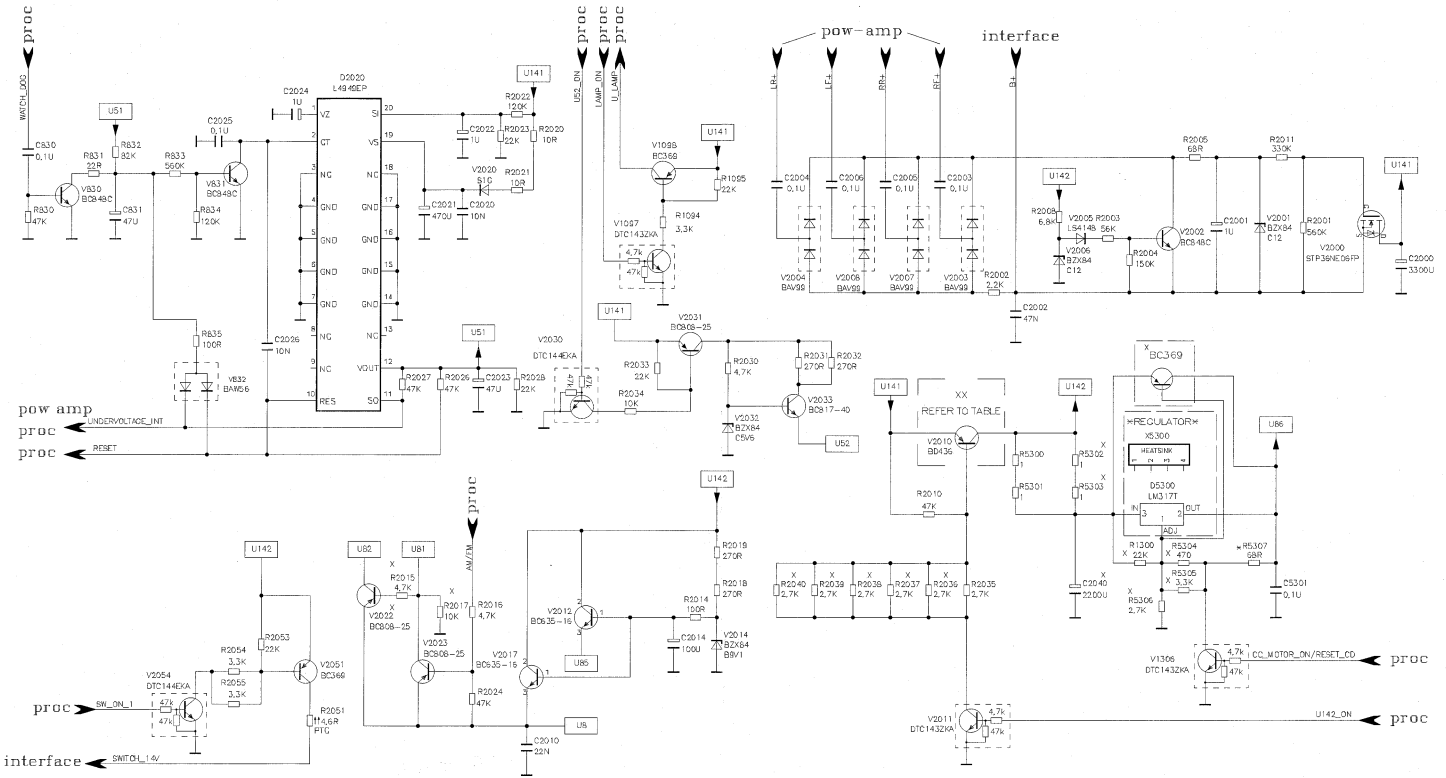
Audio Signal Verarbeitung / Audio signal processing

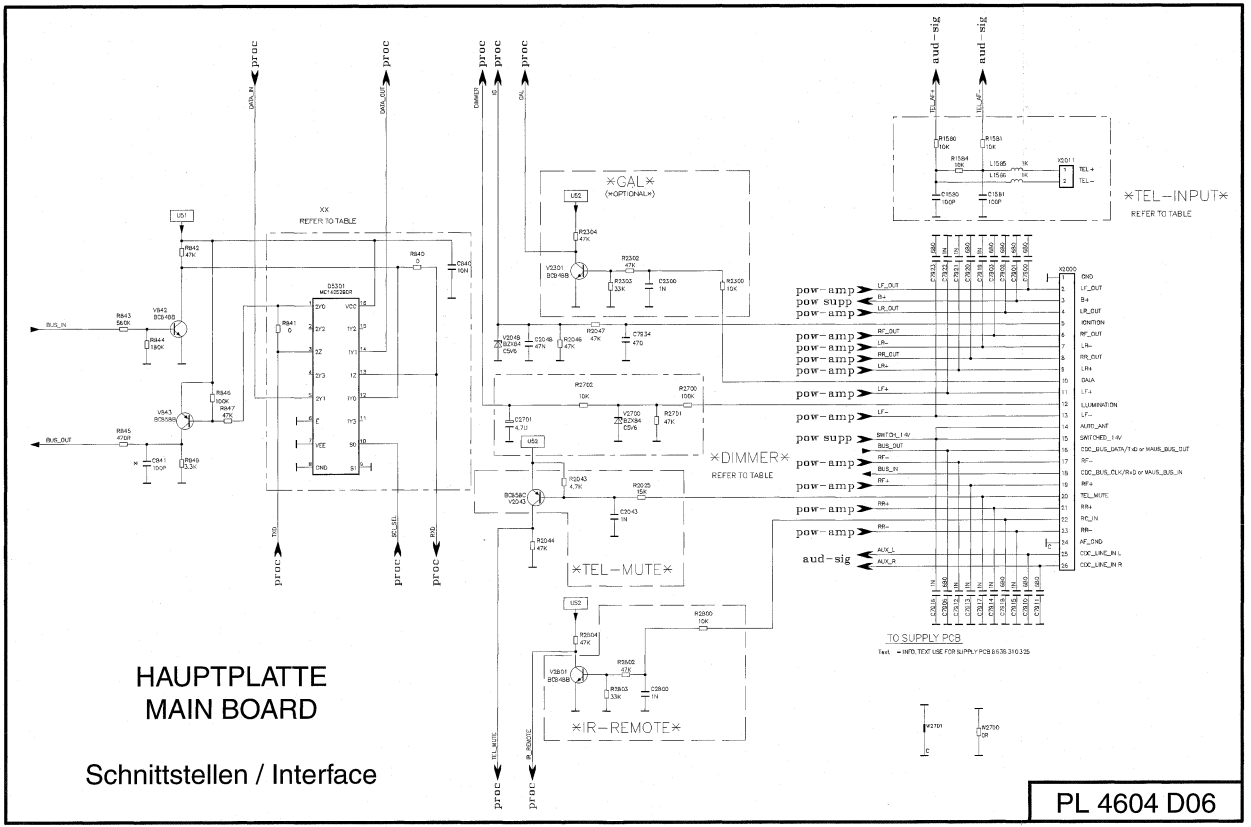


* nicht bestueckt

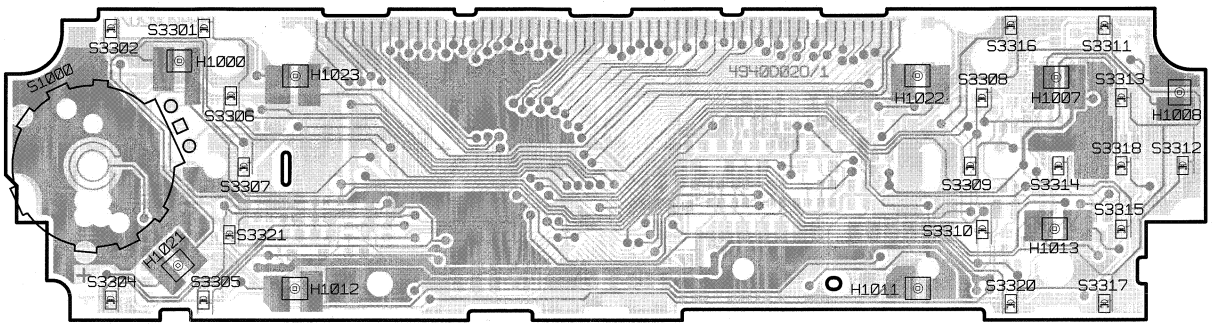
PL 4604 D06


HAUPTPLATTE
MAIN BOARD
Prozessor / Processor
PL 4604 D06

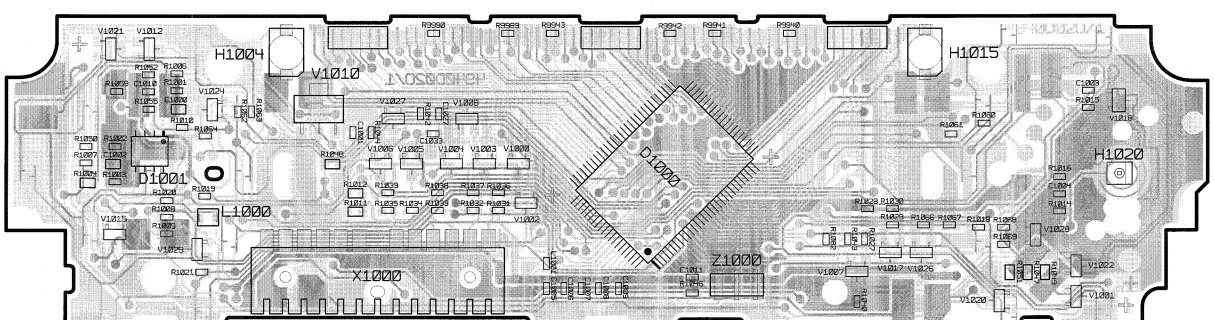

pow-amp
interface
proc
WATCH_DOG
USE_ON
LAMP_ON
U_LAMP
LR+
LF+
RR+
RF+
B+
U51
U141
U142
U52
U86
U82
U81
U85
U5
D2020 L4946EP
VZ
CT
NC
GND
VS
VOUT
RES
SO
SI
pow amp
UNDERVOLTAGE_INT
RESET
REFER TO TABLE
REGULATOR
X5300
HEATSINK
D5300 LM317T
IN
OUT
ADJ
BC369
AM/FM
SW_ON_1
SWITCH_14V
CC_MOTOR_ON/RESET_CC
U142_ON
Spannungsversorgung / Power supply
PL 4604 D06

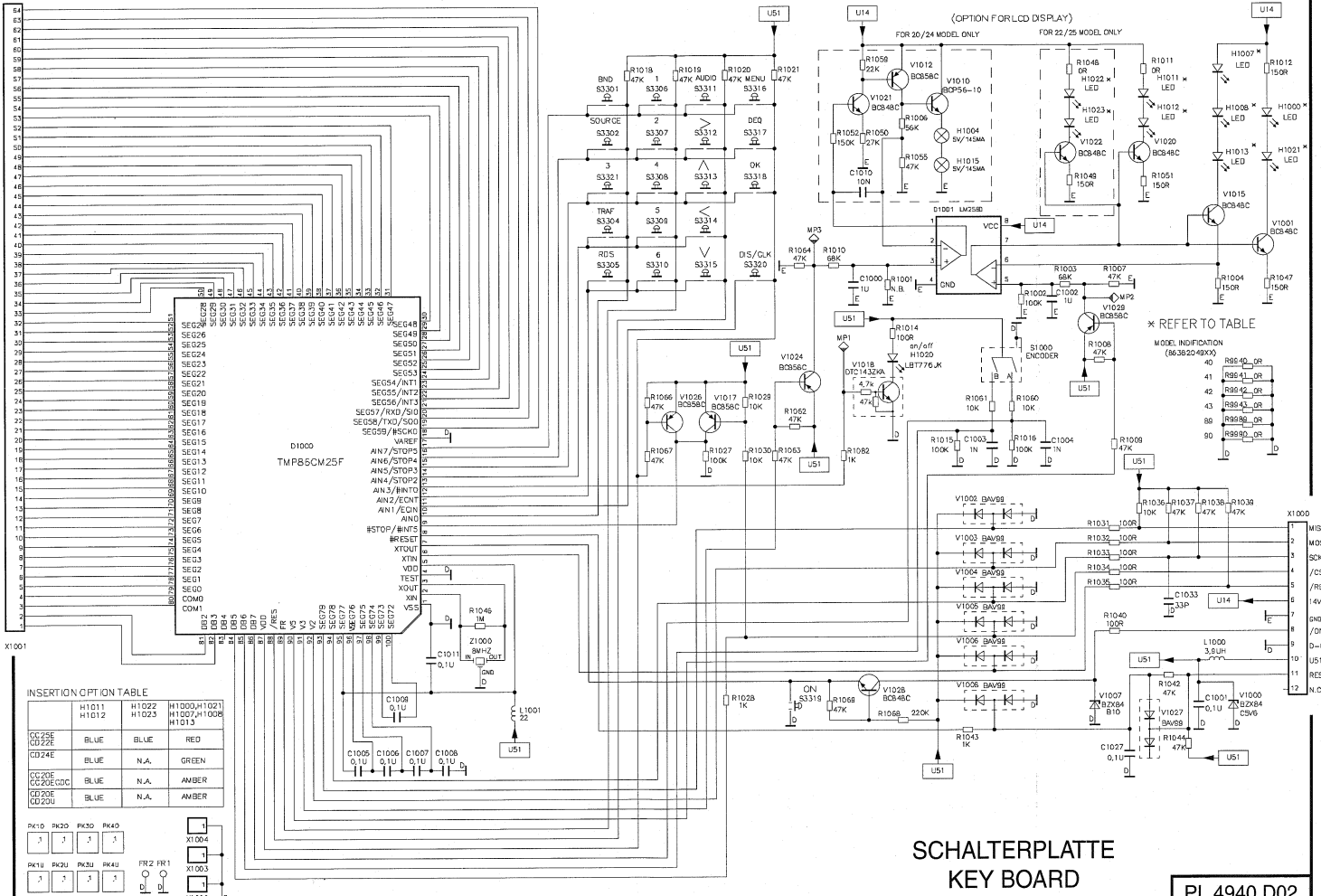

HAUPTPLATTE
MAIN BOARD
Schnittstellen / Interface
PL 4604 D06
GAL
(*OPTIONAL*)
DIMMER
REFER TO TABLE
TEL-MUTE
IR-REMOTE
TEL-INPUT
REFER TO TABLE
TO SUPPLY PCB
XX
REFER TO TABLE
pow-amp
pow supp
aud-sig
proc

Schalterplatte
Key board
PL 8 638 214 940 D02
+Chip

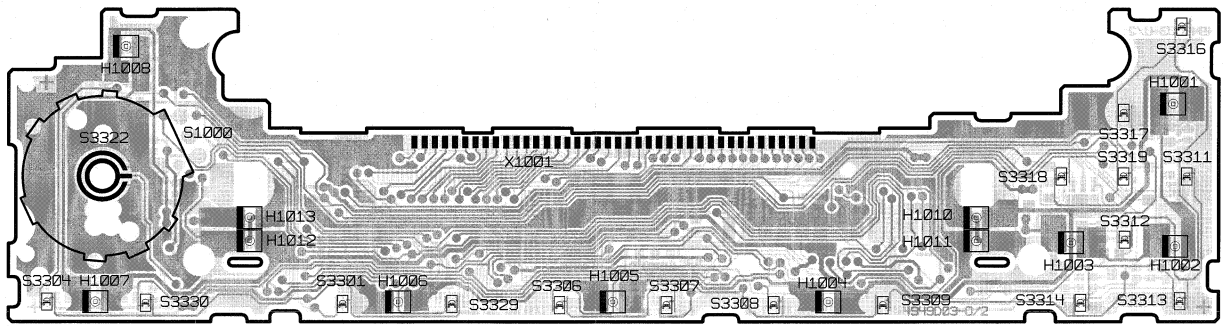


Schalterplatte
Key board
PL 8 638 214 940 D02
Chip

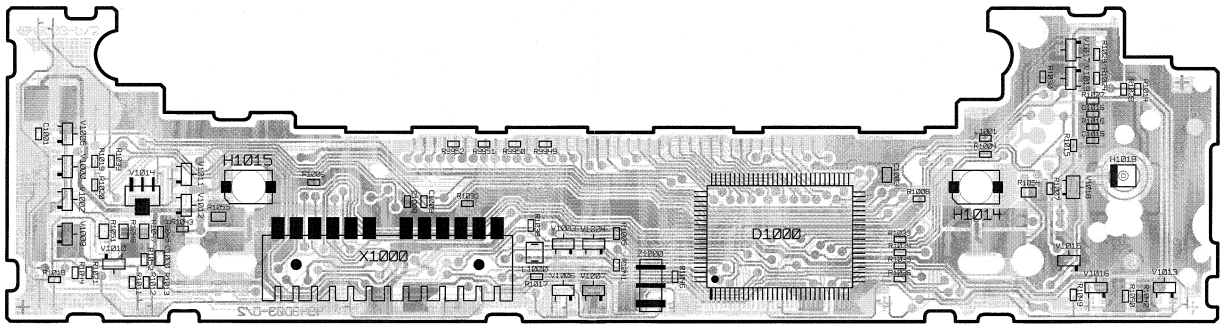


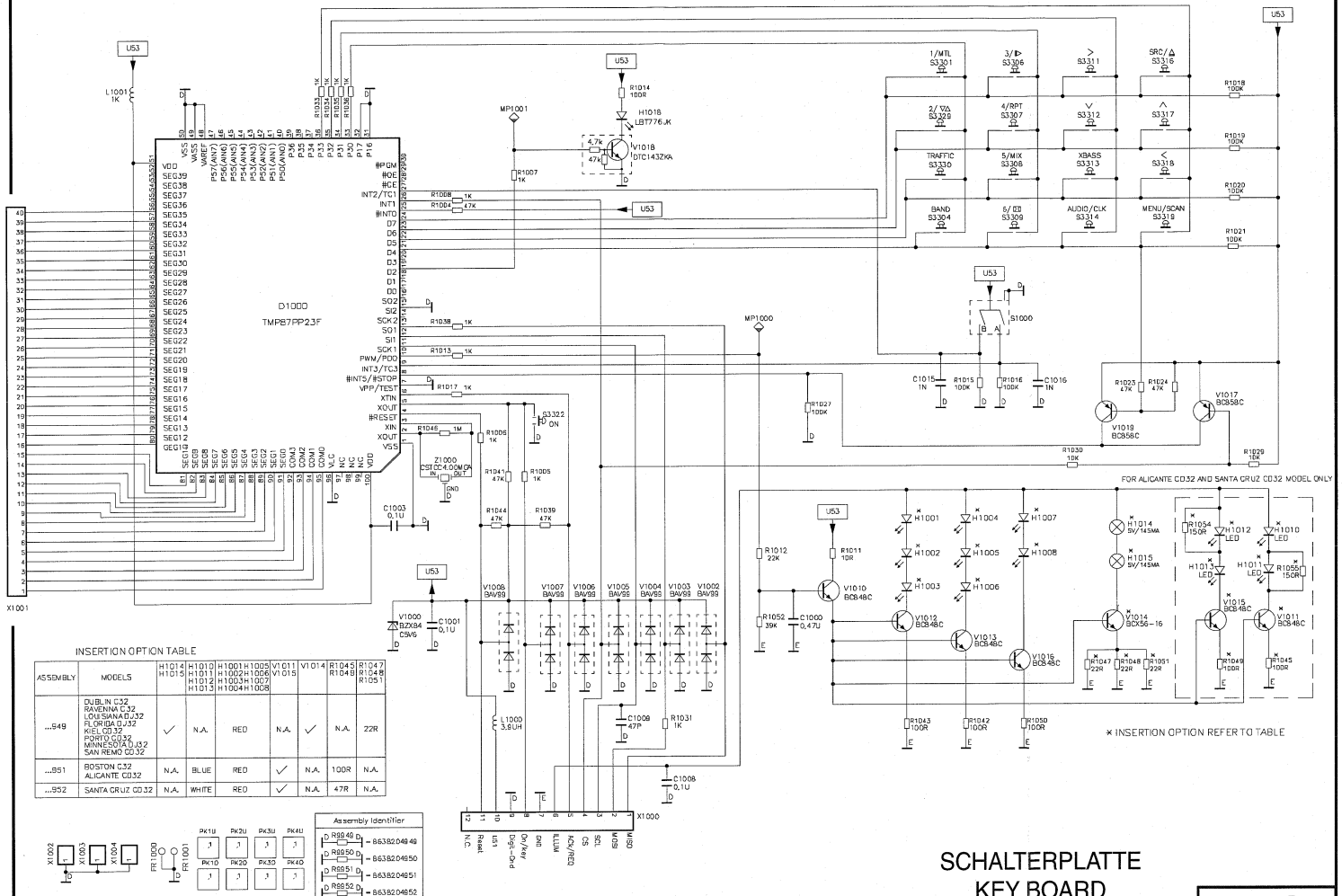

(OPTION FOR LCD DISPLAY)
FOR 20/24 MODEL ONLY
FOR 22/25 MODEL ONLY
D1000
TMP86CM25F
D1001 LM258D
* REFER TO TABLE
MODEL INDIFICATION
(8638204XX)
INSERTION OPTION TABLE
SCHALTERPLATTE
KEY BOARD
PL 4940 D02
17

Schalterplatte
Key board
PL 8 638 214 949 D03
+Chip

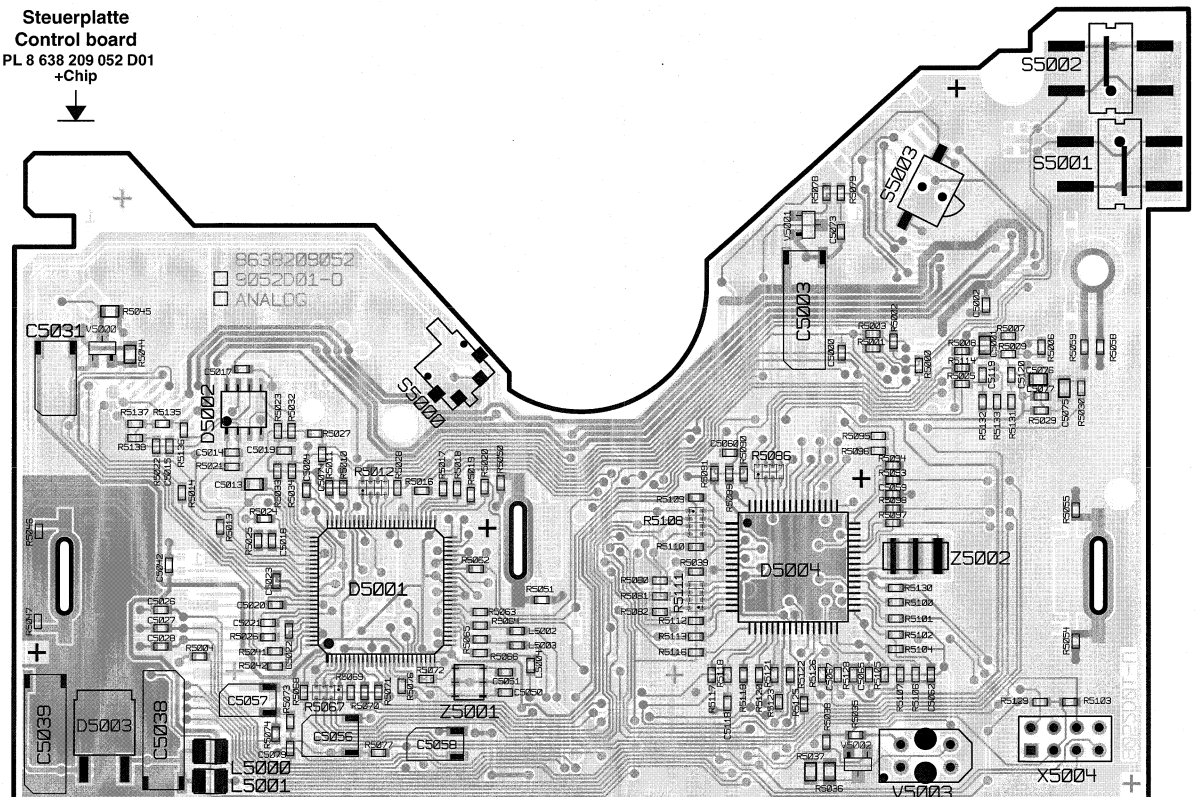


Schalterplatte
Key board
PL 8 638 214 949 D03
Chip

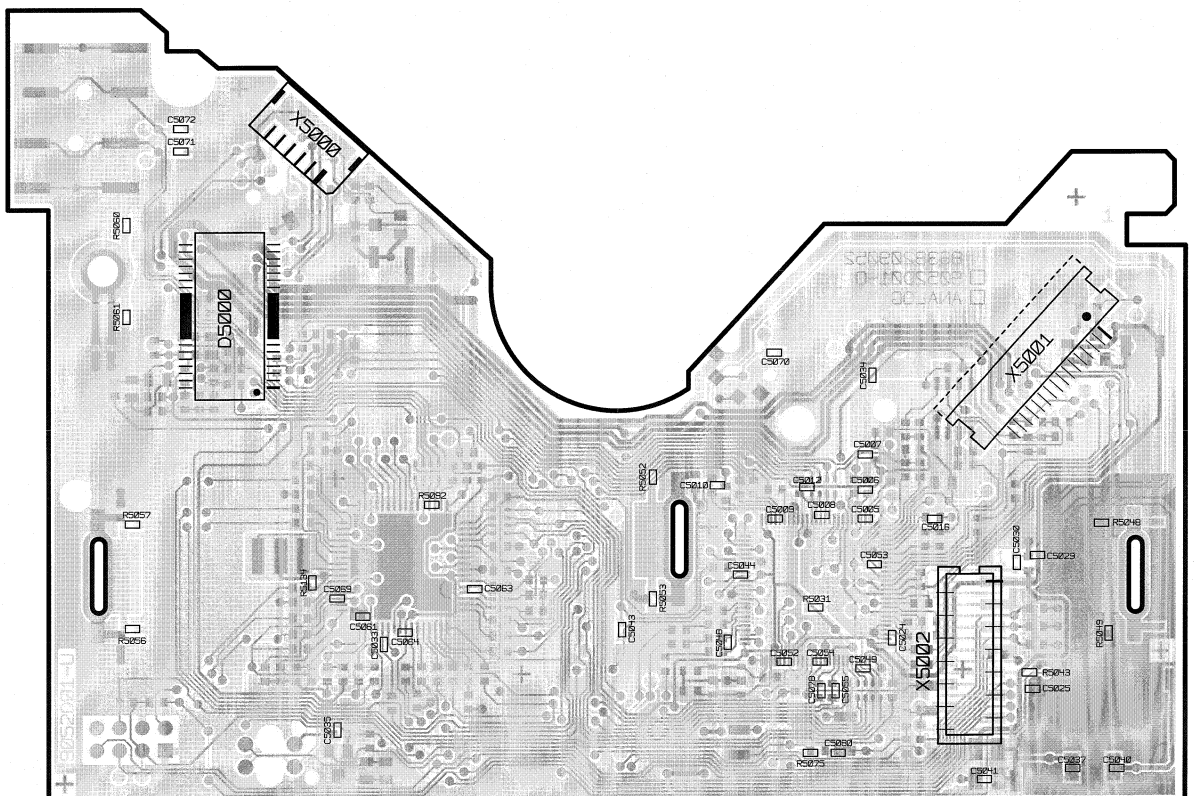


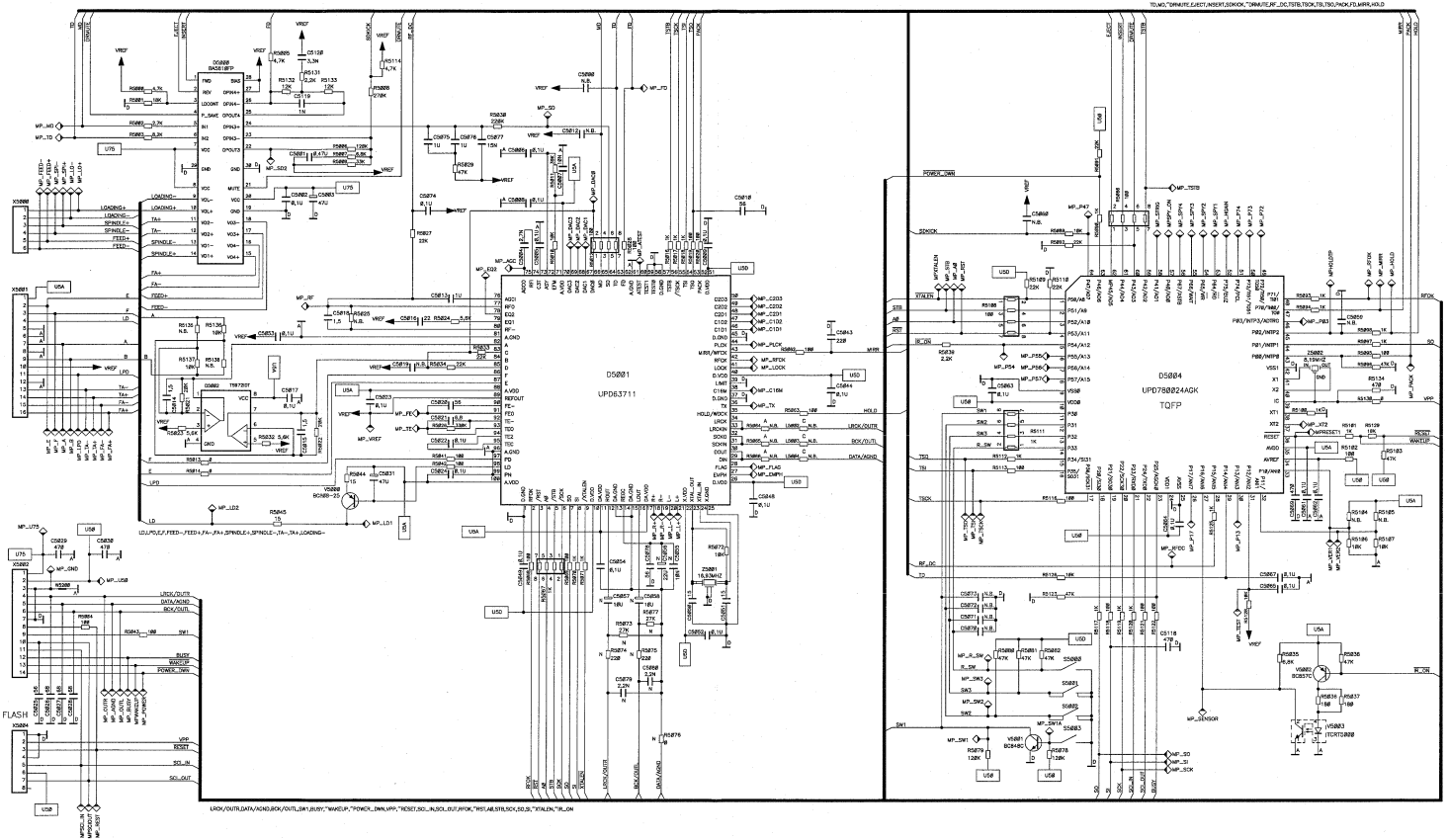

D1000
TMP87PP23F
X1001
X1000
L1001
1K
MP1001
MP1000
R1014
100R
H1018
LBT776JK
V1018
DTC143ZKA
4.7K
47K
R1007
1K
R1008
1K
R1004
47K
R1038
1K
R1013
1K
R1017
1K
R1046
1M
R1006
1K
R1041
47K
R1005
1K
G3322
ON
Z1000
CSTCC4.00MGA
IN
OUT
GND
C1003
0,1U
R1044
47K
R1039
47K
C1001
0,1U
V1000
BZX84
C5V6
L1000
3.6UH
C1009
47P
R1031
1K
C1008
0,1U
V1006
BAV99
V1007
BAV99
V1005
BAV99
V1004
BAV99
V1003
BAV99
V1002
BAV99
1/MTL
S3301
3/
S3306
S3311
SRC/
S3316
2/VA
S3329
4/RPT
S3307
S3312
S3317
TRAFFIC
S3330
5/MIX
S3308
XBASS
S3313
S3318
BAND
S3304
6/CD
S3309
AUDIO/CLK
S3314
MENU/SCAN
S3319
R1018
100K
R1019
100K
R1020
100K
R1021
100K
S1000
C1015
1N
R1015
100K
R1016
100K
C1016
1N
R1023
47K
R1024
47K
V1017
BC858C
V1019
BC858C
R1027
100K
R1030
10K
R1029
1K
FOR ALICANTE CD32 AND SANTA CRUZ CD32 MODEL ONLY
R1012
22K
R1011
10R
V1010
BC848C
R1052
39K
C1000
0,47U
V1012
BC848C
V1013
BC848C
V1016
BC848C
H1001
H1002
H1003
H1004
H1005
H1006
H1007
H1008
H1014
5V/145MA
H1015
5V/145MA
R1054
150R
H1012
LED
H1010
LED
H1011
LED
R1055
150R
V1014
BCX56-16
V1015
BC848C
V1011
BC848C
R1047
22R
R1048
22R
R1051
22R
R1049
100R
R1045
100R
R1043
100R
R1042
100R
R1050
100R
* INSERTION OPTION REFER TO TABLE
INSERTION OPTION TABLE
ASSEMBLY
MODELS
H1014 H1015
H1010 H1011 H1012 H1013
H1001 H1002 H1003 H1004
H1005 H1006 H1007 H1008
V1011 V1015
V1014
R1045 R1048
R1047 R1048 R1051
...549
DUBLIN CD32
RAVENNA CD32
LOUISIANA CD32
FLORIDA CD32
KIEL CD32
PORTO CD32
MINNESOTA CD32
SAN REMO CD32
✓
N.A.
RED
N.A.
✓
N.A.
22R
...951
BOSTON CD32
ALICANTE CD32
N.A.
BLUE
RED
✓
N.A.
100R
N.A.
...952
SANTA CRUZ CD32
N.A.
WHITE
RED
✓
N.A.
47R
N.A.
Assembly Identifier
R9946 - 8638204849
R9950 - 8638204850
R9951 - 8638204851
R9952 - 8638204852
PK1U
PK2U
PK3U
PK4U
PK1D
PK2D
PK3D
PK4D
X1002
X1003
X1004
FR1000
FR1001
SCHALTERPLATTE
KEY BOARD
PL 4949 D03

Steuerplatte
Control board
PL 8 638 209 052 D01
+Chip



Steuerplatte
Control board
PL 8 638 209 052 D01
Chip

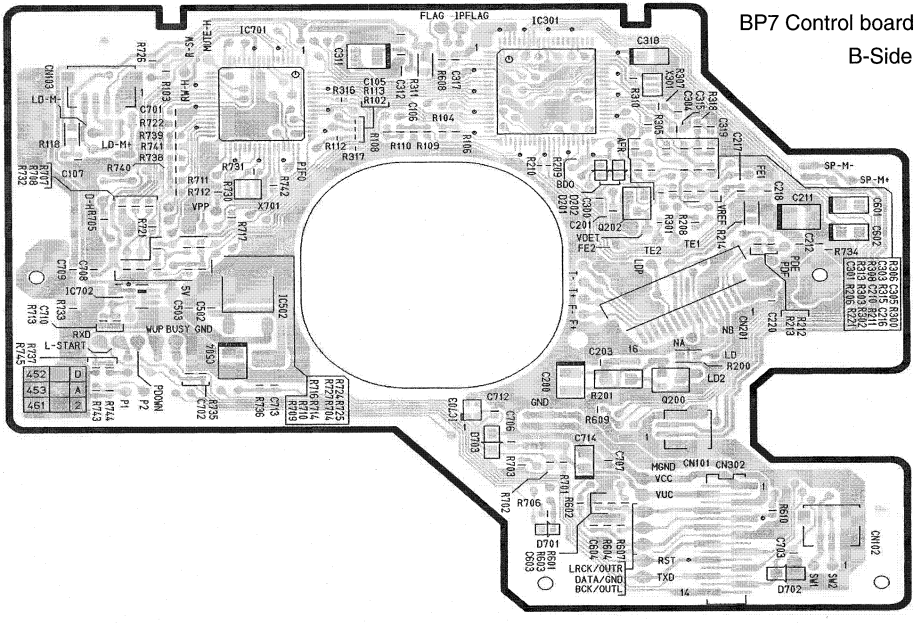




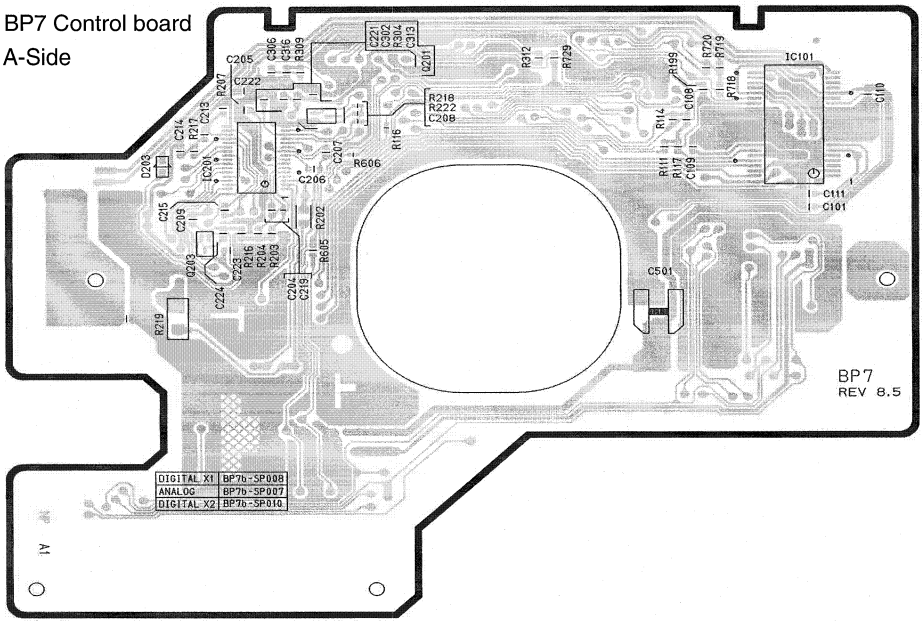
CD LAUFWERK BP4 R3 ANALOG
CD MECHANISM BP4 R3 ANALOG
Steuerplatte
Control board

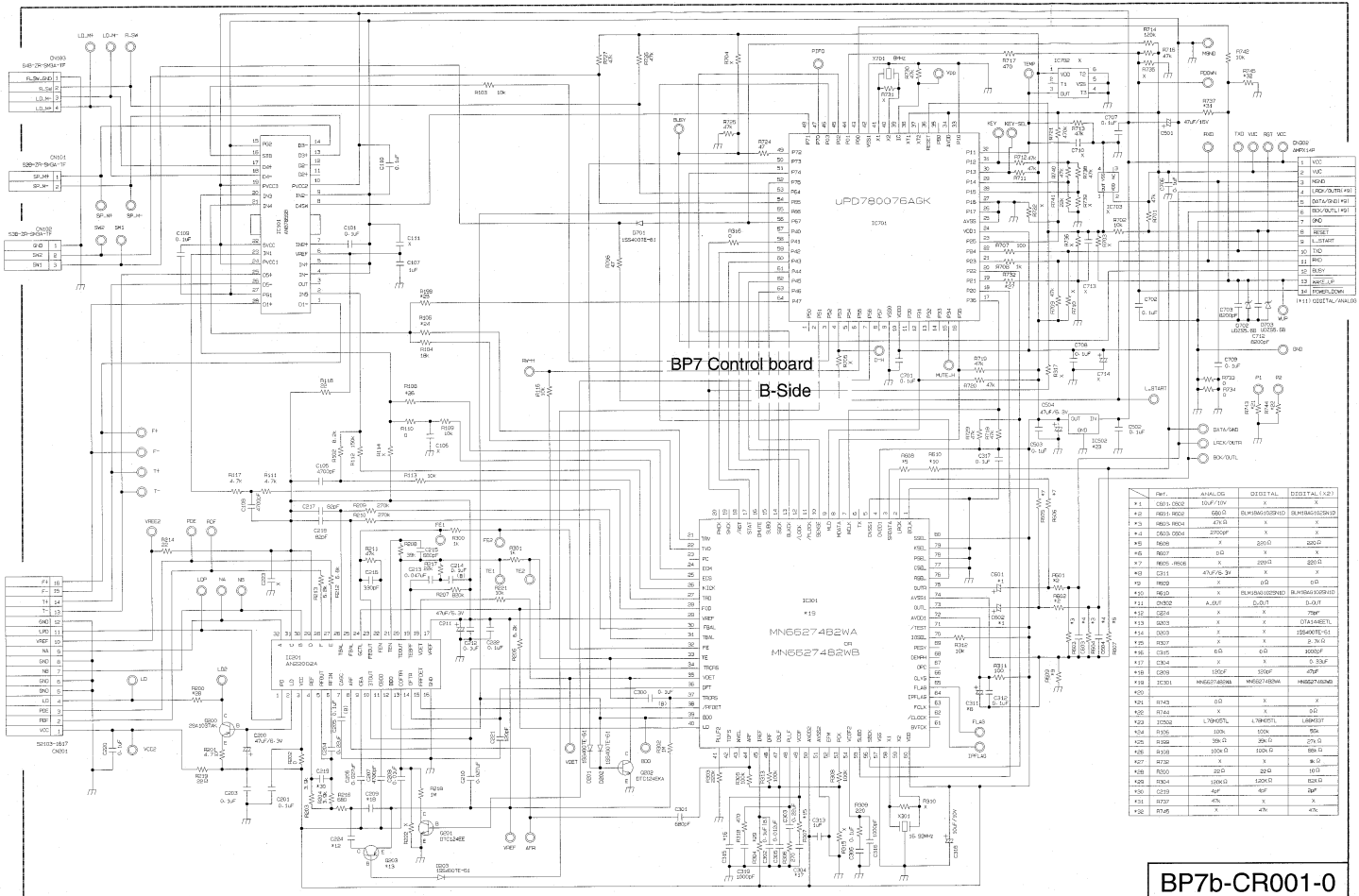
Variantenbestueckung fuer BP4R3S mit Digitalausgang	
N = nicht bestueckt A = 22Ø Ohm	C = EMI 1K/1ØØMHz

PL 9052 D01


BP7 Control board
B-Side
IC701
IC301
IC702
IC502
X701
X301
Q202
Q200
Q201
D701
D702
D703
CN103
CN101
CN302
CN002
CN201
SP-M-
SP-M+
LD-M-
LD-M+
L-START
RXD
WUP
BUSY
GND
5V
VPP
FLAG
IPFLAG
MUTE-H
AS-H
FM
P1
P2
PDOWN
MGND
VCC
VUC
RST
TXD
LRCK/OUTR
DATA/GND
BCK/OUTL
SW1
SW2
LD
LD2
NA
NB
VREF
VDET
FE1
FE2
TE1
TE2
LDP
BDO
APC
BDE
FDE

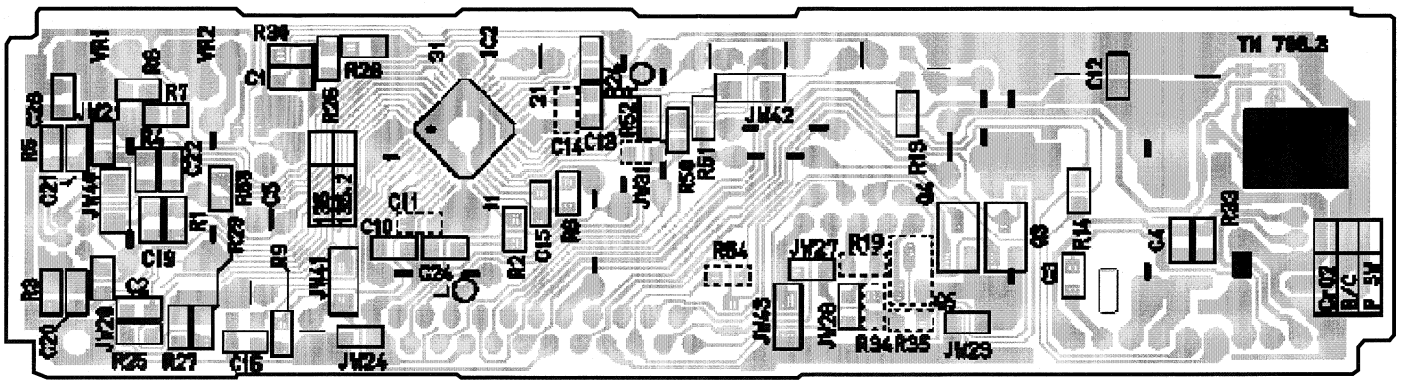
BP7 Control board
A-Side



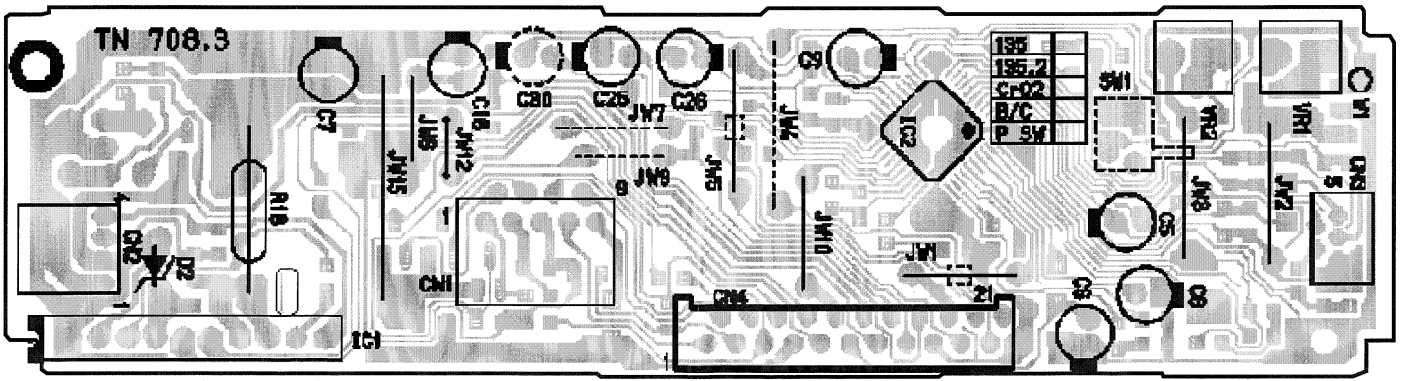


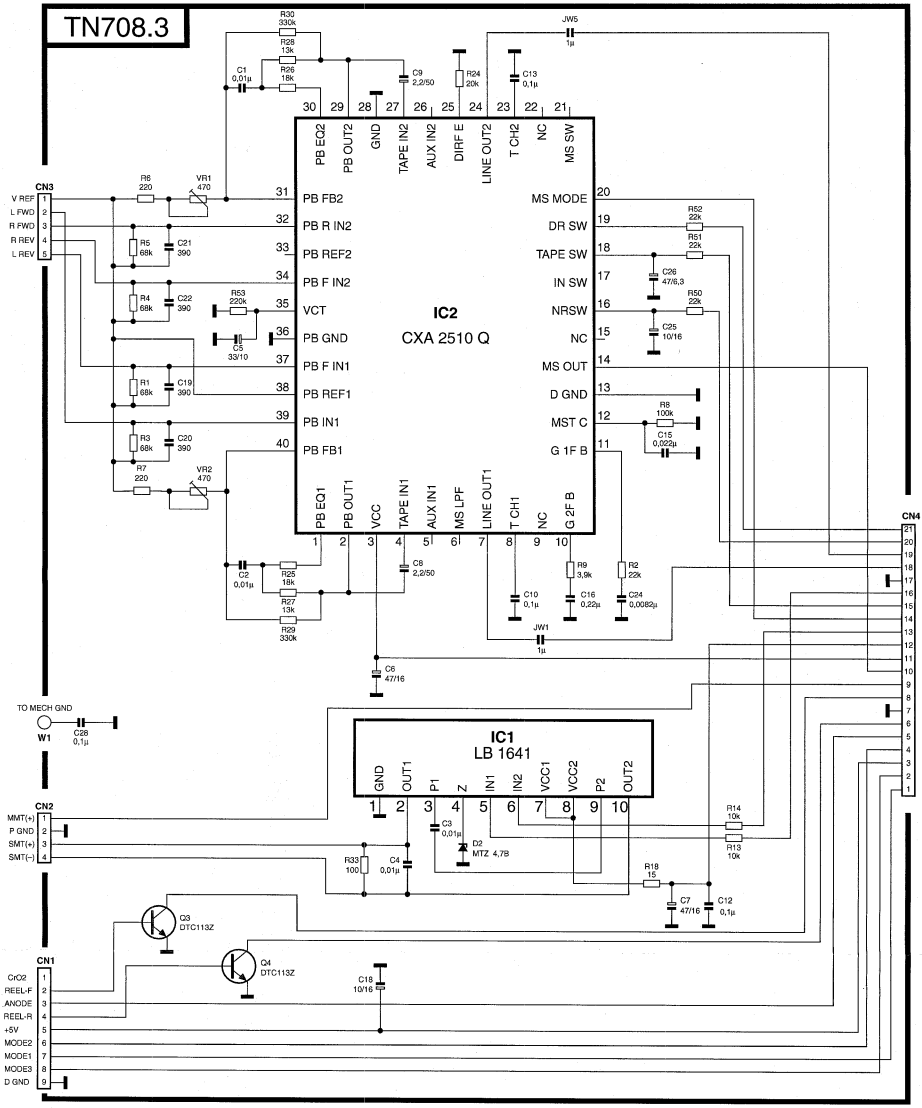
	Ref.	ANALOG	DIGITAL	DIGITAL(X2)
* 1	C501-C502	10uF/10V		
* 2	R601-R602	680Ω	ELM18M1102SN1D	ELM18M1102SN1D
* 3	R605-R604	47kΩ	X	X
* 4	C603-C604	2700pF	X	X
* 5	R606	X	220Ω	220Ω
* 6	R607	0Ω	X	X
* 7	R605-R606	X	220Ω	220Ω
* 8	C311	47uF/6.3V	X	X
* 9	R609	X	0Ω	0Ω
*10	R610	X	ELM18M1102SN1D	ELM18M1102SN1D
*11	CN302	A_OUT	D_OUT	D_OUT
*12	C234	X	X	75pF
*13	S203	X	X	DTA144EETL
*14	S603	X	X	1SS400TE-61
*15	R307	X	X	2.7kΩ
*16	C315	0.0	0.0	3300pF
*17	C304	X	X	0.33uF
*18	C213	100pF	100pF	47pF
*19	IC301	MN6627482WA	MN6627482WA	MN6627482WB
*20				
*21	R743	0.0	X	X
*22	R744	X	X	0Ω
*23	IC502	L78M05TL	L78M05TL	L88M03T
*24	R305	100k	100k	95k
*25	R399	39k Ω	39k Ω	27k Ω
*26	R308	100k Ω	100k Ω	89k Ω
*27	R732	X	X	9k Ω
*28	R350	22 Ω	22 Ω	10 Ω
*29	R304	120K Ω	120K Ω	82K Ω
*30	C219	4pF	4pF	2pF
*31	R737	47k	X	X
*32	R745	X	47k	47k

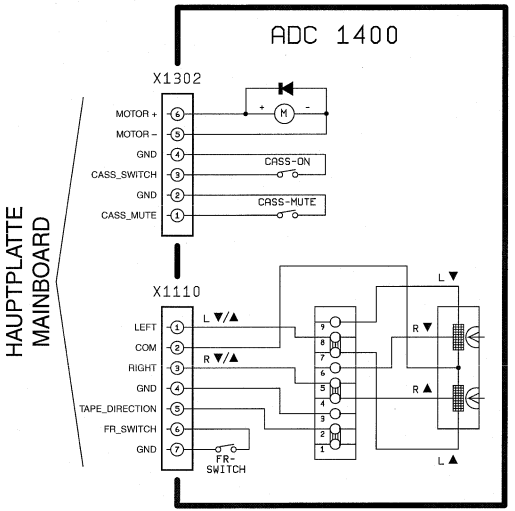
TN708.3



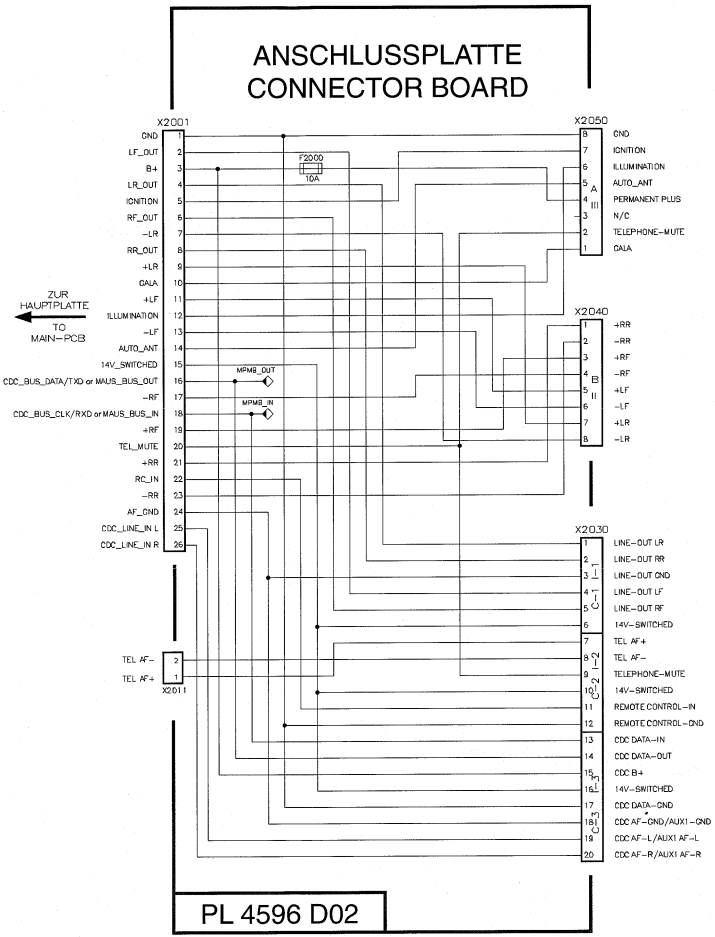
TN708.3



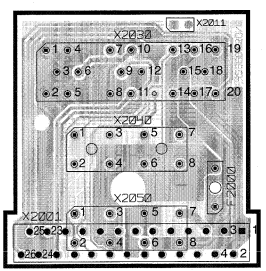

TN708.3
IC2
CXA 2510 Q
IC1
LB 1641
CN1
CN2
CN3
CN4
W1
PB EQ2
PB OUT2
GND
TAPE IN2
AUX IN2
DIRF E
LINE OUT2
T CH2
NC
MS SW
PB FB2
PB R IN2
PB REF2
PB F IN2
VCT
PB GND
PB F IN1
PB REF1
PB IN1
PB FB1
MS MODE
DR SW
TAPE SW
IN SW
NRSW
NC
MS OUT
D GND
MST C
G 1F B
PB EQ1
PB OUT1
VCC
TAPE IN1
AUX IN1
MS LPF
LINE OUT1
T CH1
NC
G 2F B
V REF
L FWD
R FWD
R REV
L REV
MMT(+)
P GND
SMT(+)
SMT(-)
CrO2
REEL-F
ANODE
REEL-R
+5V
MODE2
MODE1
MODE3
D GND
F/R
DOLBY ON/OFF
OUT-R
OUT-L
GND
SMT-F
MTL-IN
MS GAIN
SMT-R
VCC (BATT)
TAPE 8V
MS OUT
MMT +
REEL-F
MMT –
REEL-R
ANODE
MODE2
+5V
MODE3
MODE1
TO MECH GND
GND
OUT1
P1
Z
IN1
IN2
VCC1
VCC2
P2
OUT2

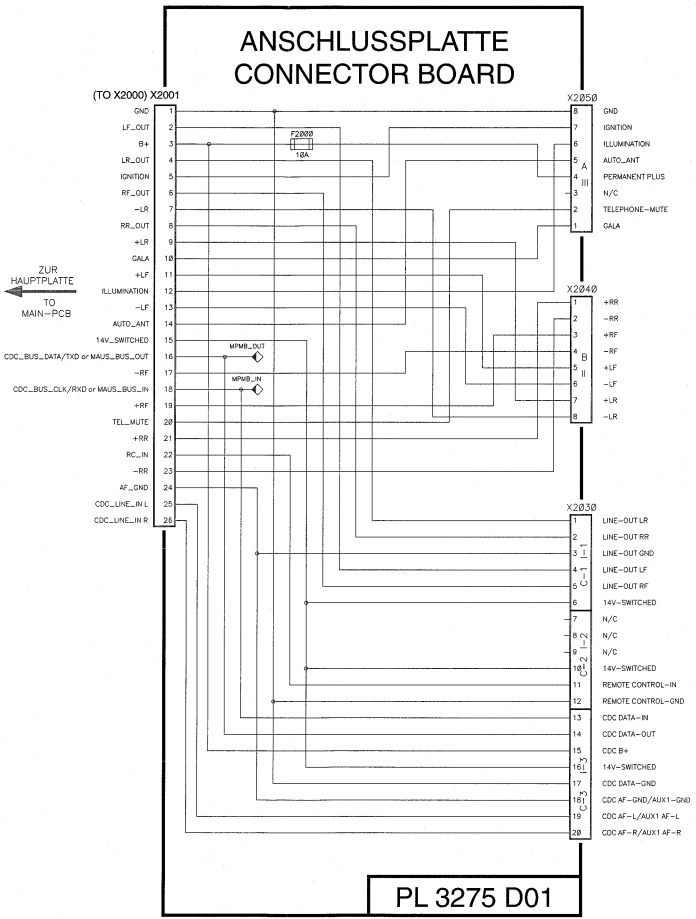

ADC 1400
HAUPTPLATTE
MAINBOARD
X1302
MOTOR +
MOTOR –
GND
CASS_SWITCH
GND
CASS_MUTE
CASS-ON
CASS-MUTE
X1110
LEFT
COM
RIGHT
GND
TAPE_DIRECTION
FR_SWITCH
GND
FR-
SWITCH
L ▼/▲
R ▼/▲
L ▼
R ▼
R ▲
L ▲

ANSCHLUSSPLATTE
CONNECTOR BOARD



Anschlußplatte
Connector board
PL 8 638 214 596 D02





Anschlußplatte
Connector board
PL 8 638 213 275 D01